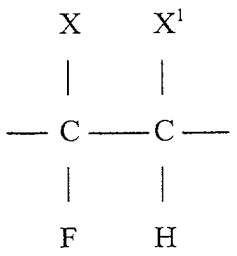
CLAIMS

1. A structure comprising successively a layer of a metal L1, a fluoro primer L2 and a layer of a fluoro polymer L3 in which the fluoro primer L2 is derived from a fluoro polymer chemically modified by a partial dehydrofluorination followed by an oxidation step sufficient to increase adhesion of L3 to L1.

2. A structure according to claim 1, in which the polymer to be chemically modified contains repeating units of formula (I):



(I)

in which X and X^1 can be, independently of each other, a hydrogen atom or a halogen.

3. A structure according to claim 2, wherein at least one of X and X^1 is fluorine, chlorine or perfluoroalkyl.

4. A structure according to claim 2, wherein at least one of X and X^1 is perfluoroalkyl.

5. A structure according to claim 2, in which the polymer to be chemically modified is PVDF homopolymer or a VF_2/HFP copolymer.

6. An electrode comprising the structure according to claim 1, in which the metal L1 is the collector and the fluoro polymer L3, comprises a high content of at least one electroactive component selected from the group consisting of carbon and an oxide.

7. An electrode according to claim 6, in which the layer of fluoro polymer L3 comprises mixed oxide particles.

8. An electrode according to claim 6, wherein the metal L1 is aluminum.

9. An electrode for a lithium-ion battery according to claim 4, in which the layer of fluoro polymer L3 comprises carbon particles.

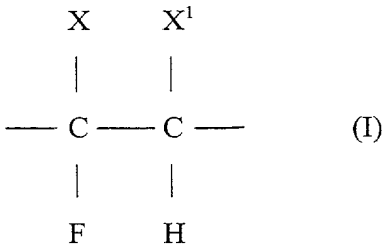
10. An electrode according to claim 9, wherein the metal is copper.

11. A lithium-ion battery comprising an electrode according to claim 7, as a positive electrode.

12. A lithium-ion battery comprising an electrode according to claim 9, as a negative electrode.

13. A structure comprising a layer of a metal L1 and a layer of a fluoro primer L2 derived from a fluoro polymer chemically modified by partial dehydrofluorination followed by an oxidation step sufficient to increase adhesion.

14. A fluoro polymer containing repeating units of formula (I):



(I)

in which X and X^1 can be, independently of each other, a hydrogen atom or a halogen, said fluoro polymer having been chemically modified by a partial dehydrofluorination followed by an oxidation step.

15. A process for producing the fluoro polymer of claim 14, comprising providing said fluoropolymer of formula (I), subjecting said fluoro polymer to partial dehydrofluorination in a basic medium, and subjecting the resultant partially dehydrogenated fluoro polymer to oxidation with hydrogen peroxide.